

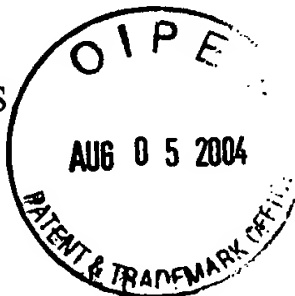
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Complete and send this form, together with applicable fee(s), to: MailMail Stop ISSUE FEE
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28112 7590 05/03/2004

GEORGE O. SAILE & ASSOCIATES
28 DAVIS AVENUE
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Bonnie E. Boyle	(Depositor's name)
<i>Bonnie Boyle</i>	(Signature)
08/02/2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/587,465	06/05/2000	Jung-Cheng Lin	TSMC99-700	7855

TITLE OF INVENTION: METHOD OF FORMING MULTILAYER DIFFUSION BARRIER FOR COPPER INTERCONNECTIONS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	08/03/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
SARKAR, ASOK K	2829	438-627000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.☒ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Haynes and Boone, LLP
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Taiwan Semiconductor Manufacturing Company, Ltd. Hsin-Chu, Taiwan, R. O. C.

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

4a. The following fee(s) are enclosed:

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☒ A check in the amount of the fee(s) is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 08-1394 (enclose an extra copy of this form).

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(Authorized Signature)

Timothy E. Blioo

(Date)

8/2/04

Timothy E. Blioo, #50,925

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